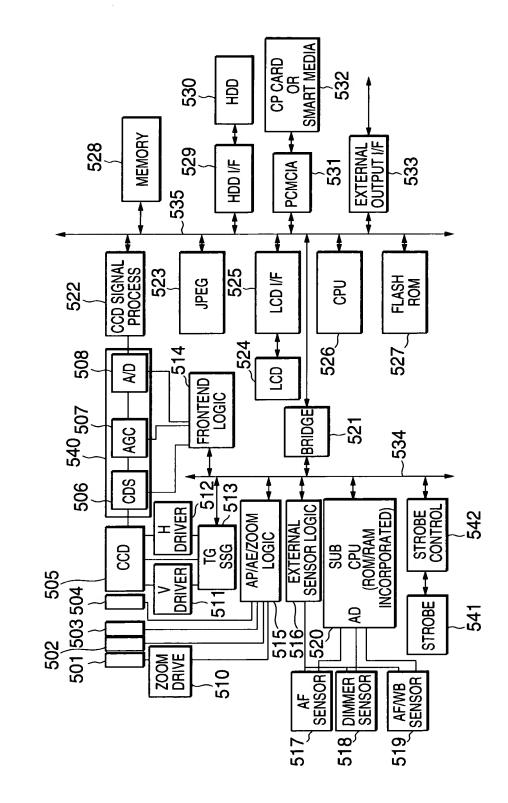
Fig. 1 (PRIOR ART)



VERTICAL CCD 202 Fig. 2 (PRIOR ART) 203 HORIZONTAL CCD PHOTOSENSITIVE PORTION 201 SIGNAL READ PORTION 204 Vout

Fig. 3 (PRIOR ART)

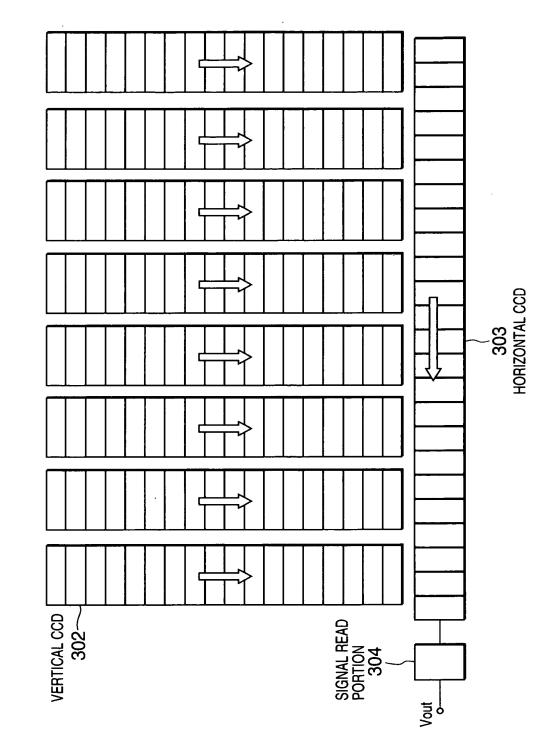


Fig. 4

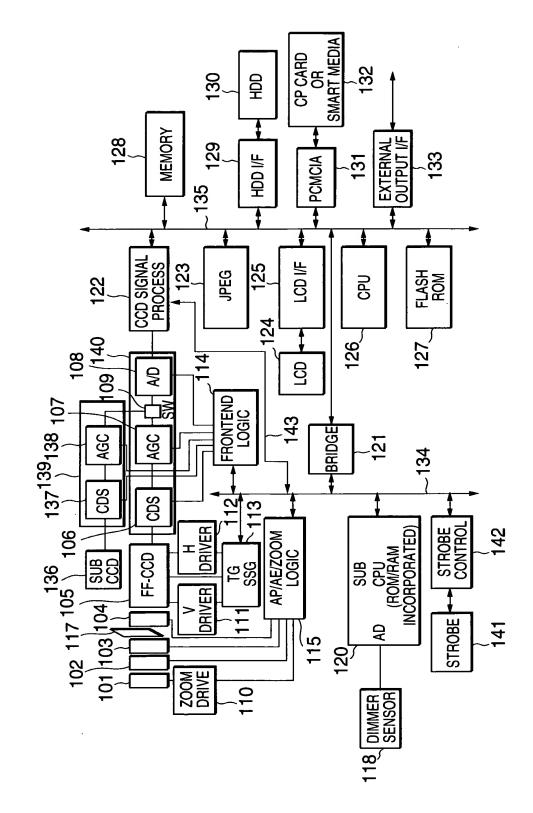
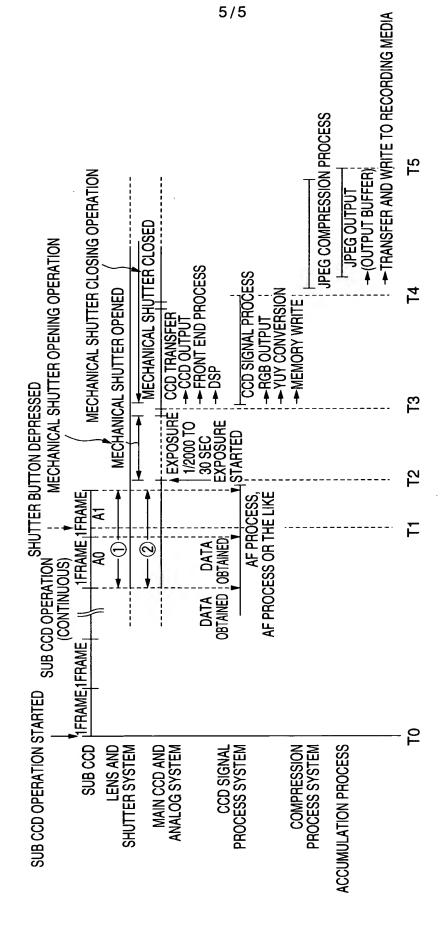


Fig. 5



① MECHANICAL SHUTTER NORMAL CLOSING

② AF OPERATION (LENS)